

02-02-01

Stevenson  
# 2/a  
8-2201

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DOCKET NUMBER	ANTICIPATED CLASSIFICATION OF THIS APPLICATION:		PRIOR APPLICATION	
	CLASS	SUBCLASS	EXAMINER	ART UNIT
VLSI.225DIV1			G. GOUDREAU	1763

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EL735699304US

Date of Deposit: February 1, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

By: *Lynda J. Baker*

Name: Lynda J. Baker

DIVISIONAL APPLICATION UNDER 37 C.F.R. § 1.53

Assistant Commissioner for Patents  
Washington, DC 20231

Dear Sir:

This is a request for filing a divisional application under 37 CFR § 1.53 of Serial No. 09/201,987, filed on December 1, 1998 entitled OPTIMIZED METAL ETCH PROCESS TO ENABLE THE USE OF ALUMINUM PLUGS by the following inventor(s):

Full Name Of Inventor	Family Name	First Given Name	Second Given Name
	ZHENG	TAMMY	
Residence & Citizenship	City	State or Foreign Country	Country of Citizenship
	FREMONT	CALIFORNIA	P.R. OF CHINA
Post Office Address	Post Office Address	City	State & Zip Code/Country
	34460 ANTELOPE DRIVE	FREMONT	CA/94539/U.S.A.

Full Name Of Inventor	Family Name	First Given Name	Second Given Name
	GABRIEL	CALVIN	TODD
Residence & Citizenship	City	State or Foreign Country	Country of Citizenship
	CUPERTINO	CALIFORNIA	U.S.A.
Post Office Address	Post Office Address	City	State & Zip Code/Country
	1496 ROSE GARDEN LANE	CUPERTINO	CA/95014/U.S.A.

Full Name Of Inventor	Family Name	First Given Name	Second Given Name
	SENGUPTA	SAMIT	
Residence & Citizenship	City	State or Foreign Country	Country of Citizenship
	SAN JOSE	CALIFORNIA	INDIA
Post Office Address	Post Office Address	City	State & Zip Code/Country
	259 NORTH CAPITOL AVENUE, APT. #281	SAN JOSE	CA/95127/U.S.A.

1. ☒ Enclosed is a true and correct copy of the prior application; including the specification, claims, drawings, oath or declaration showing the applicant's signature, and any amendments referred to in the oath or declaration filed to complete the prior application. (It is noted that no amendments referred to in the oath or declaration filed to

complete the prior application introduced new matter therein.) The copy of the prior application is as follows: 24 pages of specification, 26 claims, 1 page of abstract, 4 sheets of drawings, and 3 pages of oath or declaration.

2. ☒ Please simultaneously cancel in this application original claims 1-26 of the prior application and add new claims 27-46 before calculating the filing fee.
3. ☒ The filing fee is calculated below:

CLAIMS AS FILED

NUMBER FILED	NUMBER EXTRA		RATE	FEE
<b>TOTAL CLAIMS:</b>				
20 -20	0	X	\$18.00	\$0.00
<b>INDEPENDENT CLAIMS</b>				
2 -3	0	X	\$78.00	\$0.00
			<b>BASIC FILING FEE:</b>	\$710.00
			<b>TOTAL FILING FEE:</b>	\$710.00

☐ A Verified Statement that this filing is by a small entity is already filed in the prior application.

☐ A Verified Statement that this filing is by a small entity is attached.

☒ Payment of fees:

☒ Please charge Deposit Account No. 50-0996 (VLSI.225DIV1).

☒ Amend the specification by inserting before the first line the sentence:

"This is a Divisional of Application Serial No. 09/201,987, filed December 1, 1998, (incorporated herein by reference) to which priority is claimed."

7. ☒ A set of formal drawings (4 sheets) is enclosed.
8. ☐ Priority of application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_ in \_\_\_\_\_, is claimed under 35 U.S.C. 120.
- ☐ The certified copy has been filed in prior application Serial No. \_\_\_\_\_, filed \_\_\_\_\_.
9. ☒ The prior application is assigned of record to VLSI Technology, Inc., now Philips Semiconductors, Inc.
10. ☒ The Power of Attorney in the prior application is to:

Crawford PLLC  
1270 Northland Drive, Suite 390  
St. Paul, MN 55120

11. ☒ A preliminary amendment is enclosed. (Claims added by this amendment have been properly numbered consecutively beginning with the number next following the highest numbered original claim in the prior application.)

- ☐ Fee for excess claims is attached.
12. ☐ A petition and fee has been filed to extend the term in the prior application until \_\_\_\_\_. A copy of the petition for extension of time in the prior application is attached.
13. ☐ The inventor(s) in this application are less than those named in the prior application and it is requested that the following inventors identified above for the prior application be deleted:
14. ☐ Also Enclosed:
15. ☒ Address all future communications to the **Attention of Robert J. Crawford** (may only be completed by attorney or agent of record) at the address below.
16. ☒ A return postcard is enclosed.

Respectfully submitted,

CRAWFORD PLLC  
1270 Northland Drive  
Suite 390  
St. Paul, MN 55120  
(651) 686-6633



Robert J. Crawford  
Reg. No. 32,122

Date: Feb. 1<sup>st</sup>, 2001

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ZHENG ET AL.  
 Docket: VLSI.225PA  
 Title: OPTIMIZED METAL ETCH PROCESS TO ENABLE THE USE OF ALUMINUM PLUGS

## CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EL083809836US

Date of Deposit: December 1, 1998

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

By:

Name: Kelly J. Ledin

BOX PATENT APPLICATION  
 Assistant Commissioner for Patents  
 Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet containing Certificate under 37 CFR 1.10.
- ☒ Patent Application: Pages Numbered 1-24; 26 claims; Abstract 1 pgs.
- ☒ 4 sheets of formal drawings
- ☒ A Declaration
- ☒ Assignment of the invention to VLSI Technology, Inc., Recordation Form Cover Sheet
- ☒ A check for \$40.00 to cover the Assignment Recording Fee.
- ☒ A check in the amount of \$1,102.00 to cover the Filing Fee
- ☒ Return postcard
- ☐ PAYMENT OF THE FILING FEE IS BEING DEFERRED.
- ☐ Other:

The fees are calculated as follows:

Basic Filing Fee = \$760.00

Fee for total number of claims in excess of 20 =  $\$18 * (26 - 20) = \$108.00$ Fee for total number of independent claims in excess of 3 =  $\$78 * (6 - 3) = \$234.00$ 

Total fees due = \$1,102.00

CRAWFORD PLLC  
 333 Washington Avenue North, Suite 5000  
 Minneapolis, MN 55401  
 (612) 349-2700

By:

Name: LeRoy D. Maunu  
 Reg. No.: 35,274